

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 33] नई दिल्ली, शनिवार, अगस्त 18, 1979 (श्रावण 27, 1901)  
No. 33] NEW DELHI, SATURDAY, AUGUST 18, 1979 (SRAVANA 27, 1901)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 18th August, 1979

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

12th July, 1979

717/Cal/79. Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.P.A. Process for the preparation of formed bodies of regenerated cellulose from solutions of cellulose derivatives in dimethylsulphoxide.

718/Cal/79. Maschinenfabrik Rieter A.G. Open-end spinning apparatus. (July 12, 1978).

719/Cal/79. Bunker Ramo Corporation. Contact element.

720/Cal/79. Lucas Industries Limited. Displacement transducer system. (July 12, 1978).

721/Cal/79. Westinghouse Electric Corporation. Low voltage vacuum switch with internal arcing shield.

722/Cal/79. General Electric Company. Large-diameter dust guard for a locomotive axle bearing.

13th July, 1979

723/Cal/79. Peti Nitrogenmuvek. Process for the production of activated carbon.

1-197GI/79

724/Cal/79. Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.P.A. Process for the preparation of regenerated cellulose formed bodies from solutions of cellulose derivatives in organic solvents.

16th July, 1979

725/Cal/79. Unie Van Kunststestfabrieken B.V. Process for the preparation of a granular NPK fertilizer and granular NPK fertilizers obtained by this process.

726/Cal/79. Elektro-Thermit GmbH. A process of joint rails with aluminothermic welds and a casting mould for use in carrying out the process.

727/Cal/79. Bibhuti Bhushan Sarkar. Inverted flame kerosene lamp.

728/Cal/79. Trutzschler GMBH & Co. KG. Process and device for the opening of several textile fibre bales.

729/Cal/79. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. A process for the recovery of cyanuric chloride in solid or liquid form.

730/Cal/79. Akademie Der Wissenschaften Der DDR. A process for the cold shaping of metallic materials.

17th July, 1979

731/Cal/79. Sandvik Aktiebolag. Rotary drill bit.

732/Cal/79. Chloride Group Limited. Electric storage batteries. (July 18, 1978).

733/Cal/79. Combine "Sport". Improvements in or relating to boxing gloves.

734/Cal/79. Unicorn Industries Limited. Improvements in or relating to grinding wheels. (July 17, 1978).

735/Cal/79. Sumitomo Chemical Company Limited. Disazo dye composition.

736/Cal/79. Sumitomo Chemical Company Limited. Insecticidal compositions.

18th July, 1979

737/Cal/79. Fives-Cail Babcock. Material handling equipment.

738/Cal/79. Asca-Jumet S.A. A multiple capacitor equipped with cooling devices, and a method of manufacturing it.

#### APPLICATIONS FOR PATENTS FILED AT THE (DELHI BRANCH)

2nd July, 1979

477/DEL/79. Bayer Aktiengesellschaft. "A process for the production of Chlorothio-N-Phthalimide". [Divisional date September 26, 1977].

478/DEL/79. Standard Oil Company. "Process for the Catalytic Isomerization of a Xylene Feed". [Divisional date October 5, 1977].

4th July, 1979

479/DFL/79. Machines Chambon. "Improvements in or relating to offset printing machines".

480/DEL/79. Reichhold Limited. "Waferboard Process". (July 20, 1978).

5th July, 1979

481/DFL/79. Mangat Ram Chaudhary. "Film Strip Viewer having improved circular knobs driving mechanism".

482/DEL/79. Dart Industries Inc.. "A process for Producing a Decorative Laminate". [Divisional date August 11, 1977].

483/DEL/79. Allegheny Ludlum Industries, Inc.. "Decarburization of Metallic Alloys".

484/DEL/79. Aluminium Pechiney. An Apparatus for Compacting the Carbonated Pastes in the Linings of Metallurgical Furnaces".

485/DEL/79. Siemens-Albis Aktiengesellschaft. "A Monitoring Circuit". (March 23, 1979).

6th July, 1979

486/DEL/79. Celmerck GmbH & Co. Kg. "2-Chloro-6-Nitroandine Derivatives".

487/DFL/79. Blaw Knox Limited. "Improvements in or Relating to Extendible Screeds". (July 7, 1978).

488/DEL/79. Bayer Aktiengesellschaft. "Process for the Preparation of DI-(N-Methyl-N-Phenyl-Thiuram)-Disulphide".

489/DFL/79. Smith Kline & French Laboratories Limited. "Process for Preparing Thioureas and Isothioureas". (July 15, 1978).

490/DEL/79. The General Tire & Rubber Company. "Expandable Tire Building Drum with improved Bladder".

491/DFL/79. Fletcher Sutcliffe Wild Limited. "Miniv Equipment". (July 5, 1978).

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

9th July, 1979

129/MAS/79. A. Nepolian. Improvements in or relating to nib.

130/MAS/79. K. Gowthaman. Automobile engine starter composed of piston and cylinder, working on compressed air.

131/MAS/79. H. Balar, J. I. Bachrecha, L. Ostawal, G. Jain, A. Printing Machine.

13th July, 1979

132/MAS/79. S. Kunchithapadam. Pumpset by Solar Energy.

#### ALTERATION OF DATE

146698. Ante-dated 5th March, 1976.  
284/Del/77.

146705. Ante-dated 26th July, 1974.  
811/Cal/77.

146709. Ante-dated 24th June, 1975.  
41/Cal/78.

146710. Ante-dated 13th October, 1976.  
84/Cal/78.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents or any of the applications concerned at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Khan Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 42C. 146689.  
Int. Cl.-A24I 13/02.

A DEVICE FOR EFFECTIVELY REMOVING THE HAZARDOUS IMPURITIES FROM THE SMOKE DRAWN FROM A BURNING PIPE OR CIGARETTE.

Applicant & Inventors : DHANANJAYA RAMCHANDRA PHATAK. 2. MRS. VIJAYA DHANANJAYA PHATAK AND RAMCHANDRA DIWAKER PHATAK, AT 17, CAMAC STREET, CALCUTTA, INDIA.

Application No. 1887/Cal/76 filed October 15, 1976.

Complete Specification left October 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A device for effectively removing the hazardous impurities from the smoke drawn from a burning pipe or cigarette comprising a central body having a chamber for storage of water upto a predetermined level therein, means including a tube provided at one end of said device for holding a cigarette or for attachment to the bowl member of a pipe, said

tube adapted to be in flow communication with the water chamber when suction is applied to said device, said tube further having an opening or a plurality of openings and means such as to prevent the flow of water therein, smoke entering said tube being allowed to flow through the water stored within said chamber, a mouthpiece provided at the end of said device opposite to said tube, characterized in a capillary pipe disposed between said central member and the mouthpiece end and such filtered smoke enters said mouthpiece end through said pipe.

CLASS 32F<sub>1</sub> & 55E<sub>1</sub>. 146690.  
Int. Cl.-C07J 51/36, A61k 27/00.

#### PREPARATION PROCESS OF A NEW PYRIMIDINE DERIVATIVE.

*Applicant*: SOCIETE D'ETUDES DE PRODUITS CHIMIQUES, OF 4, RUE THEODULE-RIBOT, 75017 PARIS, FRANCE.

*Inventor*: ANDRÉ ESANUE.

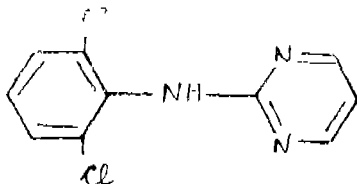
Application No. 1279/Cal/77 filed August 17, 1977.

Convention date September 3, 1976/(36523/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

Preparation process of N-2, 6-dichlorophenyl-2-aminopyrimidine of the formula I.



consisting in reacting 2, 6-dichloro aniline and 2-chloro pyrimidine, in solution in dimethyl formamide and in the presence of sodium hydride preferable at a temperature not exceeding 40°C.

CLASS 32F<sub>1</sub> & 55D<sub>a</sub>. 146691.  
Int. Cl.-C07c 69/24, A01n 9/00.

#### A METHOD FOR PRODUCING NOVEL $\alpha$ (1-CYANO-3-PHENOXYBENZYL S-(+)-2-(4-CHLOROPHENYL) ISOVALERATE.

*Applicant*: SUMITOMO CHEMICAL COMPANY LIMITED, OF NO. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA, JAPAN.

*Inventors*: MASACHIKA HIRANO, ISAO OHNO, NOBUO OHNO, AND AKIHIKO MINE.

Application No. 1281/Cal/77 filed August 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A process for producing novel  $\alpha$ -cyano-3-phenoxy-benzyl S-(+)-2-(4-chlorophenyl) isovalerate which comprises reacting (S-(+)-2-(4-chlorophenyl) isovaleric acid or a reactive derivative thereof with 3-phenoxy-mandelo-nitrile or a reactive derivative thereof, and, if desired, separating in a known manner S-(+)- $\alpha$ -cyano-3-phenoxybenzyl S-(+)-2-(4-chlorophenyl)-isovalerate from  $\alpha$ -cyano-3-phenoxybenzyl S-(+)-2-(4-chlorophenyl)-isovalerate.

CLASS 32F<sub>ac</sub> & F<sub>1</sub>. 146692.  
Int. Cl.-C07c 149/10.

#### A PROCESS FOR THE PRODUCTION OF COLOUR-LESS BIS-(3, 5-DI-TERT-BUTYL-4-HYDROXYBENZYL)-SULPHIDE.

*Applicant*: BAYER AKTIENGESellschaft, OF 5090 LEVERKUSEN, BAYERN, WEST GERMANY.

*Inventor*: ERNST ROOS.

Application No. 358/Del/77 filed November 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 7 Claims. No drawings.

A process for the production of colourless bis-(3, 5-di-tert-butyl-4-hydroxybenzyl)-sulphide by reacting 2 moles of 2, 6-di-tert-butylphenol with 2 to 4 moles of formaldehyde and 1.05 to 1.5 moles of alkali metal sulphide preferably sodium sulphide in alcoholic solvents, wherein the reaction is carried out at temperatures of from 10 to 50°C, the product formed is precipitated by the addition of water characterized in that the crystal sludge formed is acidified with water-soluble organic carboxylic acids and/or aqueous mineral acids to a pH-value of 5 or less, filtered off, washed with water and dried in known manner.

CLASS 32F<sub>ca</sub>. 146693.  
Int. Cl.-C07c 67/00, 69/76.

#### A PROCESS FOR PREPARATION OF ALKYL ESTERS OF CARBOXYLIC ACIDS.

*Applicant*: BAKUL FINCHEM RESEARCH CENTRE, STERLING CENTRE, 4TH FLOOR, 16/2, DR. ANNIE VESANT ROAD, WORLI, BOMBAY-400 018, MAHARASHTRA, INDIA.

*Inventor*: MR. YOGIN RANJIT MAJUMDAR.

Application No. 365/Bom/77 filed December 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 12 Claims. No drawings.

A process for esterification of carboxylic acids comprising of treating the carboxylic acid (1 mole) such as herein described with a dialkyl sulphate (0.5 to 1.1 mole) in the presence of an alcohol (8 to 20 moles) such as herein described under reflux.

CLASS 11B & 236D. 146694.  
Int. Cl.-H03b 19/14, 21/00.

#### AN ELECTRONIC RAT EXPELLER DEVICE.

*Applicant*: TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED, OF BOMBAY HOUSE, 24, HOMOY STREET, FORT, BOMBAY-400 023, MAHARASHTRA, INDIA.

*Inventors*: SUDHIR VASANT ALEKAR, VIDYADHAR PURUSHOTTAM KALE, VIJAY ANANT KALGAONKAR AND DEEPAK NARAYAN RAO KORDE.

Application No. 245/Bom/77 filed August 10, 1977.

Complete Specification left March 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 4 Claims.

An electronic rat expelled device comprising a sonic or ultrasonic oscillator generating frequencies in the range of 10KHZ to 30KHZ, an amplifier coupled to the output of said oscillator and a sonic or ultrasonic transducer connected to the amplifier output.

CLASS 156D & 179G. 146695.  
Int. Cl.-367d 1/00.

#### INGER OPERABLE PUMP FOR DISPENSING LIQUIDS.

*Applicant*: HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166, BACK BAY RECLAMATION, BOMBAY, MAHARASHTRA, INDIA.

*Inventor*: MR. RUSTOM KOOVIRJI WADIA.

Application No. 258/Bom/76 filed July 27, 1976.

Convention date August 1, 1975/(32268/75) (32269/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 8 Claims

A finger operable pump for dispensing liquids comprising:

- (i) a feed chamber having a finger displaceable member displaceable from a rest position to reduce the volume of the feed chamber and to increase hydraulic pressure therein, and a feed valve to permit entry of liquid into the feed chamber from an external supply the feed valve being closed when the displaceable member is moved to reduce the volume of the feed chamber,
- (ii) a discharge chamber in communication with the feed chamber resilient means co operating with the discharge chamber to store energy derived from an increase in hydraulic pressure therein as the volume of the feed chamber is reduced, and
- (iii) a discharge valve in the finger displaceable member having a valve member movable with respect to the displaceable member to open the discharge valve

CLASS 19B & 76E  
Int Cl F161 35/00

146696

## A BOLT FASTENER

*Applicant & Inventor* DEEPAK RATILAL PANCHAL, (2) MRS MEERA HARSHAD PANCHAL, 21A, TAXMI INDUSTRIAL ESTATE, SANKARRAO NARAM PATH, OFF TERGUSSON ROAD, LOWER PAREL, BOMBAY-400 013, STATE OF MAHARASHTRA, INDIA

Application No 216/Bom/77 filed July 5, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Bombay Branch

## 3 Claims

A bolt fastener comprising of a flexible jacket provided with a nut at one end, a plurality of slits on its side, a gently tapered body on either end and ribs/knurlings on its outer edge

CLASS 32F & F1a  
Int Cl C07c 155/08

146697.

## PROCESS FOR THE PRODUCTION OF NOVEL HYDROXYALKYL DITHIOCARBAMATES

*Applicant* CIBA-GEIGY AG OF KLYBECKSTRASSE 141, BASEL, SWITZERLAND

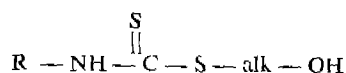
*Inventor* ERNST SCHWITZER

Application No 1777/Cal/77 filed December 28, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 7 Claims No drawings

A process for the production of hydroxyalkyl dithiocarbamates of the formula



wherein R<sub>1</sub> represents a phenyloxyphenyl or phenylamino-phenyl radical which is unsubstituted or substituted by lower alkyl, halogen, trifluoromethyl, nitro and/or cyano, and alk represents lower alkylidene or lower alkylene, which process comprises

reacting an isothiocyanate compound of the formula  
 $\text{R} - \text{N} = \text{C} = \text{S}$

with a mercaptoalkyl compound of the formula  
 $\text{HS alk-OH}$

CLASS 127A  
Int Cl F16d 13/00

146698

## A RADIATOR FAN CLUTCH

*Applicant & Inventor* GHANASHYAM SHANKAR TASGAONKAR, OF D-24 DEFENCE COLONY, NEW DELHI-110024, INDIA

Application No 2841/Del/1977 filed October 1, 1977

Division of Application No 401/Cal/76 filed March 5, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch

## 6 Claims

A radiator fan clutch adapted to disengage the radiator fan from a driven pulley comprising a shaft having said driven pulley mounted thereto, said pulley having a bearing member extending therefrom, a fan hub carrying the fan blades slidably mounted on said shaft, said hub carrying an embracing member adapted to cooperate with the bearing member of the said pulley, an actuator for imparting a slidable movement, whenever desired, to said hub and such that only when the embracing member characterized in that said embracing member is in the form of continuous ring and having a lining on the under surface of said ring embraces the bearing member of said pulley the hub rotates in conjunction with the pulley

CLASS 189  
Int Cl A61k 7/00

146699

## AN ANTIPERSPIRANT COMPOSITION

*Applicant* HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION BOMBAY, MAHARASHTRA, INDIA

*Inventor* KEITH GOSLING, NIGEL LAURENCE JACKSON AND NICHOLAS HEY LEON

Application No 15/Bom/77 filed January 12, 1977

Convention date January 14, 1976/(1401/76) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

## 8 Claims No drawings

An antiperspirant composition in a liquid form comprising an antiperspirant active compound and adjuncts such as perfume, thickener, alcohol, propellant, carrier liquid as herein described wherein the said antiperspirant active compound is a basic aluminum chloride, bromide, iodide or nitrate having an aluminum to chloride, bromide, iodide or nitrate molar ratio of from 6.5 to 13.1, which composition contains species of said active compound having an effective diameter greater than 100 Angstroms within which species there is contained at least 2% by weight of the total aluminum

CLASS 187T<sub>1</sub>  
Int Cl H04m 1/66

146700

## STD PREVENTOR FOR TELEPHONE

*Applicant & Inventor* SHRI YASHWANT SHRIPAD BARVE, 336, CHANDRAPRAKASH, SHIVAJINAGAR, PUNE 16, MAHARASHTRA STATE, INDIA

Application No 154/Bom/77 filed April 30, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch

## 2 Claims

An STD preventor for telephone comprising a box in which phone is secured and the said box holds an assembly of components consisting of dummy dial, sliding arm, pusher, rack dog and release lever of which dummy dial is connected to the dial of the said phone by means of a protruding tube which also engages in the U shape cut provided on the said sliding arm, the said sliding arm holds a pusher on its rear end a rack having plurality of teeth on its top edge is appropriately mounted below the said sliding arm, a stopper fixed

at desired distance in line with the said rack, a dog suitably pivoted for holding the rack in position by resting in one of its teeth and long arm of the said dog rests over the lower end of the release lever which is suitably pivoted on the side of the said box having a strip at its upper end for resting over the existing hook switch of the phone and when the said dummy dial is rotated for local number, each rotation of dummy dial causes the shifting of said sliding arm in forward direction alongwith the said pusher which in turn gets engaged with one of the teeth of the said rack and causes the simultaneous shifting of said rack in forward direction by a distance of one tooth per rotation and at the same time the said dog gets lifted over and holds the said rack in position and on its each backward rotation of said dummy dial, the said sliding arm with pusher shifts in backward direction and when the said dummy dial makes rotations equal to the number of digits of local number, the said rack gets shifted by number of teeth equal to the digits of local number and gets stopped by said stopper which in turn prevents the interlinked simultaneous shifting movement of the said rack, pusher and sliding arm which in turn prevents the additional rotation of dummy dial alongwith the dial of the said phone because the said dummy dial gets held in position by said sliding arm in its U shaped cut by means of said protruding tube.

CLASS 33A. 146701.  
Int. Cl-B22d 11/02.

#### CONTINUOUS CASTING MOLD FOR METALS.

*Applicant* : TAIHEIYO KINZOKU KABUSHIKI KAISHA, OF NO. 6-1, 1-CHOME, OTE-MACHI, CHIYODA-KU, TOKYO, JAPAN.

*Inventors* : HIROHIKO TAKAHASHI, YOSHINAO OTSUKA, HUICHIRO SATO, AND YOSHIKI TSUKAMOTO

Application No. 1628/Cal/76 filed September 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A continuous casting mold for metals having a large difference between the melting temperature and the solidifying temperature thereof, said casting mold being an open mold and the inlet end being directly connected to a pouring basin (8+5), comprising a 1st stage die portion (1) of other refractory material than graphite, 2nd stage die portion (2) of a graphite type refractory material, a water-cooling jacket (3), and fixing ring of a refractory material (4), said 1st stage die portion (1) in the water cooling jacket (3) having a length (l) longer than one drawing length and said 1st stage die portion (1) in the fixing ring of a refractory material (4) having a length (a) longer than the thickness (b) of said 1st stage die portion (1), and said 2nd stage die portion (2) being in the water cooling jacket (3) having a length (m) of 1-4 times as long as the length of said 1st stage die portion.

CLASS 185C & E. 146702.  
Int. Cl.-A23f 3/00.

#### PROCESS FOR PREPARING TEA-CONTAINING COMPOSITION.

*Applicant* : SOUTHWARK TRADERS LIMITED, FORMERLY KNOWN AS SOUTHWARK THAMES IDE LIMITED, SUITE 206, BAHAMAS INTERNATIONAL TRUST BUILDING BANK LANE, NASSAU, BAHAMAS AND THE COCA-COLA COMPANY, OF P.O. DRAWER 1734, ATLANTA, GEORGIA, UNITED STATES OF AMERICA.

*Inventors* : CHRISTOPHER JAMES EDMONDS AND GEIR VAIBERG GUDNASON.

Application No. 1229/Cal/77 filed August 8, 1977.

Convention date August 27, 1976/(35832/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims No drawings.

A process for preparing a tea-containing composition, which process comprises the addition to black or colong tea or instant tea at any stage during its manufacture or infusion a non-toxic aluminium compound as hereinbefore described in an amount effective to provide an enhancement or modification in colour characteristics of the final beverage.

CLASS 32B 146703.  
Int. Cl C07c 3/28, 3/40

#### PROCESS FOR MANUFACTURING OLEFINIC HYDROCARBONS WITH TWO AND THREE CARBON ATOMS PER MOLECULE.

*Applicant* : INSTITUT FRANCAIS DU PETROLE, OF 4 AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON, FRANCE.

*Inventors* : JEAN-PIERRE FRANCK, EDOUARD FREUND, CHRISTIAN MARCILLY AND JEAN MIQUEL.

Application No. 1406 Cal/77 filed September 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 18 Claims.

A process for manufacturing ethylene and propylene from a charge having a distillation point lower than 360°C and containing at least normal and iso-paraffins having at least 4 carbon atoms per molecule, wherein :

- (a) —said charge is subjected to a hydrogenolysis reaction in at least one so-called hydrogenolysis zone, in the presence of a catalyst of the acid mordenite type with at least 0.01 to 25% b.w. of at least one group VIII metal, it being important, in the case of three or more hydrogenolysis zones, to operate each hydrogenolysis zone successively traversed by the charge at a temperature from 5 to 25°C higher than the temperature of the preceding hydrogenolysis zone,
- (b) —the effluents from the hydrogenolysis reaction are fed to a separation zone from which are discharged ( $\alpha$ ), from the top methane and hydrogen, ( $\beta$ ) a fraction consisting essentially of hydrocarbons with 2 and 3 carbon atoms per molecule, and ( $\gamma$ ), from the bottom, a fraction consisting essentially of hydrocarbons with at least 4 carbon atoms per molecule.
- (c) —said fraction consisting essentially of hydrocarbons with 2 and 3 carbon atoms per molecule is fed to a steam-cracking zone, in the presence of steam, to transform at least a portion of the hydrocarbons with 2 and 3 carbon atoms per molecule to mono-olefinic hydrocarbons with at least 4 carbon atoms per molecule, obtained from the bottom of said separation zone, is supplied to a second hydrogenolysis zone where it is treated in the presence of a catalyst containing at least 0.01 to 25% b.w. of at least one metal of group VIII, VIB or VIIB, the effluent from the second hydrogenolysis zone is supplied to a separation zone to discharge, on the one hand, hydrocarbons with at least 4 carbon atoms per molecule which are recycled at least partly to the said second hydrogenolysis zone, and, on the other hand, a fraction consisting essentially of a mixture of hydrogen, methane and saturated hydrocarbons with 2 and 3 carbon atoms per molecule; a hydrogen stream and a methane stream are separated from said mixture and there is fed to said steam-cracking zone the hydrocarbons of said mixture with 2 and 3 carbon atoms, together with said fraction consisting essentially of hydrocarbons with 2 and 3 carbon atoms per molecule as recovered from said separation zone following the first hydrogenolysis zone, and there are thus obtained at the outlet of the steam-cracking zone, in addition to a stream of methane and hydrogen and a stream of paraffinic hydrocarbons with 2 and 3 carbon atoms per molecule, on the one hand, olefins with 2 and 3 carbon atoms per molecule and, on the other hand, products with at least 4 carbon atoms per molecule.

CLASS 63A 146704.  
Int Cl -H02k 17/00

#### ELECTRIC MOTOR HAVING CONTROLLED MAGNETIC FLUX DENSITY.

*Applicant* : CRAVENS RESEARCH COMPANY, OF 9871 OVERHILL DRIVE SANTA ANA, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

*Inventor* : CRAVENS LAMAR WANLASS.

Application No. 1192/Cal/76 filed July 6, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An electric motor comprising a stator including magnetic material; a rotor; a main stator winding encompassing the magnetic materials an input adapted to be connected to a source of AC voltage; a capacitor; and means connecting the main stator winding and the capacitor in a series circuit across the input wherein the capacitor is capable of being charged to a voltage sufficient, when added to said AC voltage, to develop a volt-second value across said magnetic material greater than the volt-second capacity of said magnetic material so that the magnetic material will be driven in saturation on each half cycle of the AC voltage.

CLASS 70A & C<sub>0</sub> & 139D & F. 146705.  
Int. Cl.-C01b 1/02, 13/04.

APPARATUS FOR GENERATING A SUPPLY OF HYDROGEN GAS AND OXYGEN GAS.

*Applicant & Inventor* : YULL BROWN, OF 182 AUBURN ROAD, AUHURN, IN THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

Application No. 811/Cal/77 filed May 30, 1977.

Convention date August 3, 1973/(PB4341/73) AUSTRALIA.

Division of Application No. 1672/Cal/74 filed July 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for generating a supply of hydrogen gas and oxygen gas in proportion of consumption of said gases comprising in combination,

(a) an electrolytic cell means for electrolytic generation of said gases, said cell means being enclosed to entrap said generated gases,

(b) a gas outlet carried by said cell means to allow a portion of said generated gases to discharge from said cell,

(c) An electrical circuit for connecting said cell means to a source of electrical power, and

(d) an electrical power regulating means and safety device for controlling the amount of electrical power supplied to said cell means including;

a first chamber having an upper and lower inlet, said upper inlet forming said gas outlet of said cell means and an upper discharge outlet,

a second chamber having a normally closed upper end, and a lower inlet connected to said lower inlet of said first chamber

a first and second inverted conically-shaped and concentrically aligned resistance electrode carried in a coaxial vertical relationship in said first chamber, said electrodes connected in said circuit in series with electrodes of said cell means,

said first and second chambers containing, in use, a quantity of electrolytic solution to partially fill said chambers and interface with said electrodes to close said circuit,

wherein an increase in the pressure of said entrapped gases depresses the level of said electrolytic solution in said first chamber to cause an increase in resistance of said electrodes thereby reducing the amount of power to said cell means.

CLASS 39G & L.  
Int. Cl.-C01f 7/00, 7/02, 7/22.

146706.

PROCESS OF THE THERMAL DECOMPOSITION OF ALUMINIUM CHLORIDE HYDRATE WITH CALCINATION TO ALUMINIUM OXIDE.

*Applicant* : ALUMINIUM PECHINEY, OF 28 RUE DE BONNEL, 69003, LYON, FRANCE.

*Inventors* : LOTHAR REH, LUDOLF PLASS AND PHILIPPE MARCHESSAUX.

Application No. 1031/Cal/77 filed July 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Process for the thermal decomposition of aluminium chloride hydrate with calcination to aluminium oxide using a fluidized-bed reactor with a greatly loosened fluidized-bed (calcining reactor), linked with a drop of the solid concentration from bottom to top and discharge of the solid together with the gases in the upper part of the shaft, whereby prior to entry into the calcining reactor, the charged aluminium chloride hydrate is brought into contact with gases and is then fed into the calcining reactor, the solids discharged with gases in the upper part to the calcining reactor shaft are separated and at least partly returned into the calcining reactor, completely calcined aluminium oxide is fed into a fluidized-bed cooler operated with oxygen-containing gas as the fluidizing gas, at least part of the heated fluidizing gas from the fluidized-bed cooler is fed into the calcining reactor as secondary gas above the gas distributor, and the calcining reactor is heated by supplying fuel into the area between the gas distributor and the secondary gas, characterised in that by indirect heating (decomposition reactor) at least most of the hydrogen chloride is removed from the aluminium chloride hydrate in the fluidized-bed state, the solids separated from the gas after discharging from the shaft of the calcining reactor are introduced into a residence-time reactor fluidized with a low-gas velocity, a partial flow of solids from the residence-time reactor is fed back in controlled manner into the calcining reactor for adjusting a particular suspension density and a further partial flow of solids from the residence-time reactor is fed into the fluidized-bed cooler after an adequately long residence-time.

CLASS 39G & L.  
Int. Cl.-C01f 7/00, 7/02, 7/22.

146707.

PROCESS FOR THE THERMAL DECOMPOSITION OF ALUMINIUM CHLORIDE HYDRATE INTO HYDROGEN CHLORIDE AND ALUMINIUM OXIDE.

*Applicant* : ALUMINIUM PECHINEY, OF 28 RUE DE BONNEL, 69003 LYON, FRANCE.

*Inventors* : LOTHAR REH LUDOLF PLASS AND PHILIPPE MARCHESSAUX.

Application No. 1032/Cal/77 filed July 6, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for the thermal decomposition of aluminium chloride hydrate into hydrogen chloride and aluminium oxide which comprises subjecting aluminium chloride hydrate in the fluidized state to indirect heat in a conventional fluidized bed reactor whereby at least the preponderant part of the aluminium chloride hydrate is decomposed, removing in any conventional manner the gaseous hydrogen chloride so produced, subjecting the residual solid material before cooling to direct calcination in a rotary furnace whereby any remaining unreacted aluminium chloride hydrate is decomposed, once again removing conventionally any resultant gaseous hydrogen chloride and finally cooling the solid aluminium oxide formed by the decomposition reaction in a rotary cooler by means of oxygen-containing gases which are simultaneously preheated as consequence.

CLASS 131C.  
Int. Cl.-E21c 39 00.

146708.

# A RAPID-FIRE, RAPID-CYCLE GAS EXPLODER.

*Applicant* : ATLANTIC RICHFIELD COMPANY, INCORPORATED IN THE STATE OF PENNSYLVANIA, OF ARCO PLAZA, 515 S. FLOWER STREET, LOS ANGELES, CALIFORNIA, UNITED STATES OF AMERICA.

*Inventor* : TOM PATTERSON AIRHART.

Application No. 1350/Cal/77 filed August 31, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A rapid-fire, rapid-cycle gas exploder for imparting successive seismic impulses at the earth's surface including a first up-standing cylindrical housing, a base which closes the lower end of the housing, a piston reciprocally mounted within said first housing and defining, with said housing sidewalls and said base, a detonation chamber, a further cylindrical housing with a control piston provided therein and supported above the said first housing in axial alignment therewith and having the control piston rigidly connected to the piston in said first housing torresiliently bias the piston of the first housing toward the detonation chamber.

CLASS 102D & 195B.  
Int. Cl.-F15b 3'00, F16k 31/12.

146709.

# A CONTROL VALVE FOR CONTROLLING PRESSURE FLUID FOR AN AXIAL PISTON TYPE FLUID ENERGY TRANSLATING DEVICE.

*Applicant* : ABEX CORPORATION, OF 530 FIFTH AVENUE, NEW YORK, NEW YORK 10036, UNITED STATES OF AMERICA.

*Inventors* : ELLIS HERMAN BORN, WILLIAM HENRY MEISEL AND ALAN HARVEY, VILES.

Application No. 41/Cal/78 filed January 12, 1978.

Division of Application No. 1241/Cal/75 filed June 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A control valve for controlling pressure fluid, comprising a flat valve plate having a pair of fluid receiving ports, an input member, a valve shoe having a fluid supply port carried by said input member and slidable on said valve plate, said input member alternatively movable between a first position in which said fluid supply port is aligned with one of said fluid receiving ports, a second position in which said fluid supply port is aligned with the other of said fluid receiving ports, and a null position in which said fluid supply port is misaligned with both of said fluid receiving ports, means biasing said valve shoe toward said valve plate, and self-modulating pressure responsive means opposing said biasing means to move said shoe away from said valve plate a pre-determined distance to permit fluid flow therebetween and thus create a hydrostatic bearing, such as hereinbefore defined.

CLASS 145F.  
Int. Cl.-D21c 3/18.

146710.

# A METHOD FOR THE PRODUCTION OF CHLORINE PULP.

*Applicant & Inventor* : GEORGE NICHOLAS VAIKANAS, OF 14 CONSTANTINOPOULOS STREET, AMAROUSSION, GREECE. DETERIUS GEORGE ECONOMIDIS, OF 7, AGICUTHOMA STREET, AMAROUSSION, GREECE, AND EMMANUEL GEORGE KOUKIOS, OF 14 ILISION STREET, ATHENS, GREECE.

Application No. 84/Cal/78 filed January 20, 1978.

Division of Application No. 1875/Cal/75 filed October 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims, No. drawings.

A method for making chlorine pulp by processing cellulosic agricultural waste such as cereal straws, characterized in that the cellulosic wastes are subjected to a prehydrolysis treatment in the presence of at least one acid catalyst of concentration between 0.1 to 1% and at temperatures of 100 to 160°C under pressure to convert easily hydrolysable constituents such as pentosans, starch and hemicelluloses into monosaccharides, and the solid residue after separating from sugar solution is converted to chlorine pulp by treatment with chlorine in slow rotating reactors.

## CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 141753 (earlier numbered as 626/Cal/74) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 9th April, 1977 has been corrected to read as "Push button switching module for flashlight and its use in a flashlight" under section 78(3) of the Patents Act, 1970.

(2)

The title of the invention in the application and specification as well as opening description of the specification of patent application No. 143948 (earlier numbered as 2367/Cal/75) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 4th March, 1978 has been corrected to read as "A flow control device" under section 78(3) of the Patents Act, 1970.

(3)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 144025 (earlier numbered as 248/Cal/77) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 11th March, 1978 has been corrected to read as "A process and apparatus for treatment of waste water" under section 78(3) of the Patents Act, 1970.

(4)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 144236 (earlier numbered as 76/Mas/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th April, 1978 has been corrected to read as "A process of making a grinding and polishing hard wheel and the grinding and polishing hard wheel obtained therefrom", under section 78(3) of the Patents Act, 1970.

(5)

The title of the invention in the application and specification as well as opening description of the specification of application for patent No. 144776 (earlier numbered as 817/Cal/76) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 1st July, 1978 has been corrected to read as "A metal cutting tool and an insert for use in the same" under section 78(3) of the Patents Act, 1970.

## PATENTS SEALED

139933 141862 142639 143998 144018 144034 144123 144209  
144410 144589 144617 144677 144842 144844 144851 144917  
144930 144943 144966 144975 144986 144991 145004 145035  
145041 145045 145050 145061 145062 145063 145067 145089  
145090 145094 145096 145104 145130 145142 145144 145147  
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 145344 145346 145348 145349 145352 145365 145366 145371  
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 145396 145397 145406 145425 145447 145454 145468 145476  
 145489 145492.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

137292.—M/s. The Bengal Electric Lamp Works Limited.

#### RENEWAL FEES PAID

94831 95057 95065 95177 95199 95260 95688 99036 100478  
 100701 100722 101274 103912 105064 106027 106066 106153  
 106243 106251 106425 106579 106580 106646 106924 106990  
 107029 107134 107215 111169 111488 111551 111750 111773  
 111949 112000 112152 112282 112283 112989 116627 116820  
 116821 116857 116863 116968 117059 117266 117285 117466  
 117542 122241 122333 122554 122579 122601 122643 122902  
 123155 123181 123192 127153 127154 127157 127381 127545  
 127590 127627 127649 127662 127760 128033 128179 128597  
 131995 132010 132183 132185 132231 132289 132342 132597  
 132598 132599 132600 132601 132602 132708 133053 135477  
 135562 135766 135767 135768 135769 135822 135842 135902  
 136031 136036 136087 136459 136665 136900 137174 138140  
 138860 139002 139205 139582 139604 139744 139769 139852  
 139921 140060 140230 140663 140700 140942 141010 141196  
 141313 141401 141439 141505 141745 141880 142252 142271  
 142324 142419 142467 142468 142604 142679 142784 142799  
 142997 143036 143054 143201 143243 143244 143321 143327  
 143568 143661 143693 143993 144196 144284 144644.

#### CESSATION OF PATENTS

101340 106698 112047 140628 140629 140634 140637 140644  
 140653 140680 140687 140701 140723 140726 140754 140779  
 140815 140831 140845 140956 140958 140981 140982 140985  
 141002 141003 141004 141016 141020 141028 141908 143168

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 93230 granted to Toyo Sen-I Kabushiki Kaisha for an invention relating to "process for making degummed bast fibres". The Patent ceased on the 9th April 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 19th May 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th October 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 104765 granted to Ernst Freyberg Chemische Fabrik Delitia and subsequently assigned to Veb Delicia for an invention relating to "metal phosphide composition for pest control and tablets or compacts made therefrom". The Patent ceased on the 7th April 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 7th April 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th October 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 115941 granted to Chambon Limited for an invention relating to "improvements in or relating to dampening systems notably for rotary offset presses". The Patent ceased on the 15th May 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th November 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 18th October 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 109164 dated the 3rd February 1967 made by The Tata Iron and Steel Co. Ltd. on the 28th Nov. 1978 and notified in the Gazette of India, Part III, Section 2 dated the 17th Feb. 1979 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 118632 dated the 19th November 1968 made by Donald Gunasekera on the 1st November 1978 and notified in the Gazette of India, Part III, Section 2 dated the 20th January 1979 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 129180 dated the 11th November 1970 made by Prem Chandra Luthar on the 1st November 1978 and notified in the Gazette of India, Part III, Section 2 dated the 20th January 1979 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application for restoration of Patent 138742 dated the 6th November 1972 made by Fierro Esponja S.A., on the 11th September 1978 and notified in the Gazette of India, Part III, Section 2 dated the 13th January 1979 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No 147306 New Akbarsons, Khari Kuan Street, Moradabad, an Indian partnership concern. "Hukka (Indian water pipe)". December 8, 1978.

Class 1. No 147614. The Metal Printers Company (a partnership firm duly registered under the Partnership Act) of Bhupen Chambers, 9, Dalal Street, Bombay-400 001, State of Maharashtra, India. "Battery tester". October 6, 1978.



- Class 1. No. 147626. D. P. Pulveriser Works, an Indian Regd. Partnership firm, at 12, Nagindas Master Road, Extension Bombay-400 023, Maharashtra, India. "A pulveriser". October 7, 1978.
- Class 1. No. 147638. M/s. Indu Sales Corporation, Proprietary Concern of 11-B, Shivaji Marg, North Gonda, Shahdara, Delhi-153, "Al-drop". October 12, 1978.
- Class 1. No. 147645. Vishivkarma Foundry and Naranjan Dass Diman & Bros., Indian partnership firm. V. & P.O. Apra, District Jullundur, Punjab, India. "A resp bar of mini paddy thresher". October 12, 1978.
- Class 1. No. 147655. Vishivkarma Foundry and Naranjan Das Dhiman & Bros., V. & P.O. Apra, District Jullundur, Punjab, Indian Partnership firm. "A paddy protector of a mini paddy thrasher". October 16, 1978.
- Class 1. No. 147687. Rama Prasad Datta, 19, Serpentine Lane, Calcutta-14, West Bengal, Indian. "Lever of electrical switch". October 24, 1978.
- Class 3. No. 147587. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership Concern. "Stand for books and pens". September 25, 1978.
- Class 3. No. 147588. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership concern. "Pen". September 25, 1978.
- Class 3. No. 147589. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership concern. "Pen stand". September 25, 1978.
- Class 3. No. 147590. Jagson Plastics, 7440, Tel Mill Street, Ram Nagar, New Delhi-110055, an Indian Partnership concern. "Wall calendar". September 25, 1978.
- Class 3. No. 147609. Happy Mates Industries, 1/5, Industrial Area, Kirti Nagar, New Delhi, an Indian Partnership Concern. "Folding pram". October 4, 1978.
- Class 3. No. 147612. Thiruvai Veeraraghavan Ramanujam, 15-II, Cross Street, Trustpuram, Tamil Nadu, Madras-600024, Indian. "Electric lighter". October 5, 1978.
- Class 3. No. 147634 & 147635. Plastic & Metal Devices (India), H-172, Ashok Vihar, Delhi-110052, Indian Partnership firm. "Pencil sharpener". October 12, 1978.
- Class 3. No. 147639. Prem Plastics, Bharat Industrial Estate, T. J. Road, Sewrec, Bombay-400015, Maharashtra, an Indian Partnership Firm. "Foot matting". October 12, 1978.
- Class 3. No. 147661. Gopi Krishan Kabra, trading as M/s. Detective Devices and Equipment Co., B-14, Co-Op. Industrial Estate, Balanagar, Hyderabad-500037, India, an Indian Company. "Breath analyzer". October 18, 1978.
- Class 3. No. 147662. Ramaprasad Datta, 19, Serpentine Lane, Calcutta-14, West Bengal, Indian. "Modified file cover". October 19, 1978.
- Class 3. No. 147695. Swift Instruments Inc., A Massachusetts Corporation, United States of America, at 952, Dorchester Avenue, Dorchester, Massachusetts 02125, United States of America. "A microscope stand". November 3, 1978.
- Class 3. No. 147696. Swift Instruments Inc., a Massachusetts Corporation, United States of America, at 952 Dorchester Avenue, Dorchester, Massachusetts 02125, United States of America. "Microscope stand". November 3, 1978.
- Class 3. No. 147697. Bata India Limited, a limited Company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal. "A sole for footwear". November 4, 1978.
- Class 3. No. 147698. Bata India Limited, a limited Company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal. "A sole footwear". November 4, 1978.
- Class 3. No. 147699. Bata India Limited, a limited Company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal. "A sole for footwear". November 4, 1978.
- Class 3. No. 147721. Minni Trading Corporation, 5B, Kanchan Villa, Goraswadi, Malad, Bombay-400064, Maharashtra, Indian Partnership Firm. "Measuring cup". November 13, 1978.
- Class 3. Nos. 147735 to 147737. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra State, Indian Partnership Firm. "Pen stand". November 17, 1978.
- Class 3. No. 147738 & 147739. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra State, an Indian Partnership Firm. "Key chain". November 17, 1978.
- Class 3. No. 147744. Metal India Industries, an Indian Partnership Firm, 267, Janjkar Street, Bombay-400002, Maharashtra, "Gas lighter". November 17, 1978.
- Class 3. No. 147747. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Coaster". November 17, 1978.
- Class 3. No. 147752. Luxor Metaltec (India) Private Limited, a firm registered under the Indian Companies Act, 1956 with Registered Office at 236, Okhla Industrial Estate, New Delhi-110020. "Pen". November 20, 1978.
- Class 3. No. 147753. Luxor Metaltec (India) Private Limited, a firm registered under the Indian Companies Act, 1956 with Registered Office at 236, Okhla Industrial Estate, New Delhi-110020. "Refill of pen". November 20, 1978.
- Class 3. No. 147760. Phenoweld Polymer Pvt. Ltd., of Saki Vihar Lake Road, Bombay-400072, Maharashtra State, India, a Company incorporated in India. "Mirror Frame". November 23, 1978.
- Class 5. Nos. 147649 & 147650. Tarun Dutta, 55, Ezra Street, 5th Floor, Calcutta-700001, West Bengal, Indian, Nationality Indian. "Cartoon". October 16, 1978.
- Class 10. Nos. 147700 to 147702. Bata India Limited, a limited company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal. "A footwear". November 4, 1978.

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Design No. 141886. .... Class 1.

S. VEDARAMAN,  
Controller-General of Patents, Designs  
and Trade Marks.

